Applicant: Joseph A. Kwak Application No.: 10/085,187

REMARKS

Claims 1-6 are pending in this Application. Claims 1-6 were rejected by the Examiner. The Applicant has amended claim 1 and canceled claims 2-3. All claim amendments are fully supported by the specification. No new matter has been added.

Applicant: Joseph A. Kwak Application No.: 10/085,187

35 U.S.C. §103(a)

Claims 1, 2, and 4-6

The Examiner rejected claims 1, 2, and 4-6 under 35 U.S.C. §103(a) as being unpatentable over Schramm et al. (U.S. Ref. No. 6,208,663) in view of Roobol et al. (U.S. Ref. No. 6,301,479), Dirschedl et al. (U.S. Ref. No. 6,262,994), in further view of Hunzinger et al. (U.S. Ref. No. 7,164,654), and further in view of Dahlman et al. (U.S. Ref. No. 6,907,005).

The Schramm reference discloses a method and system for block ARQ whereby when connection quality drops below an acceptable threshold, ARQ techniques use an alternative modulation/coding scheme.

The Dirschedl reference discloses an arrangement for optimization of data transmission via a bi-directional radio channel. Respective types of modulation can be selected at a transmitter side, with a code rate of forward error correction (FEC) and power of transmitter devices provided at a reception side.

The Hunzinger reference discloses a method and apparatus for controlling the maximum number of retransmissions of an information packet that may be attempted if the information packet was not properly received. Hunzinger assigns a maximum allowable retransmission (MAR) values in order to limit the number of retransmissions.

The Dahlman reference discloses a scheme for flexible ARQ. In Dahlman, a communication channel is set up between a transmitter and receiver and a value is selected for an ARQ parameter for data packets transmitted of the channel. First

Applicant: Joseph A. Kwak

Application No.: 10/085,187

and second ARQ parameter values are selected for a desired tradeoff between

desired performance and goals.

The Roobol reference discloses a technique for providing a secure link when

transitioning between pairs of link layer protocol entities in a mobile

communication system.

Among other deficiencies in the Schramm, Roobol, Dirschedl, Hunzinger, and

Dahlman references, there is no disclosure, teaching, or suggestion of "selectively

nulling subchannels from an OFDM frequency set wherein the use of a poor quality

subchannel is precluded for a predetermined period and adding a previously nulled

subchannel back into the OFDM frequency set where a retransmission rate or

retransmission rate or link quality indicates a high quality for the previously nulled

subchannel" as is recited in the Applicant's amended independent claim 1.

Accordingly, the Applicant's amended independent claim 1 is patentable over

the Schramm, Roobol, Dirschedl, Hunzinger, and Dahlman references whether

taken alone or in any combination with one another.

Claims 4-6 depend from patentable amended independent claim 1 and are

therefore patentable for at least the same reasons as patentable amended

independent claim 1.

Claims 2-3 are canceled in the present reply.

- 7 -

Applicant: Joseph A. Kwak **Application No.:** 10/085,187

Conclusion

If the Examiner believes that any additional minor formal matters need to be

addressed in order to place this application in condition for allowance, or that a

telephone interview will help to materially advance the prosecution of this

application, the Examiner is invited to contact the Applicant's undersigned attorney

by telephone at the Examiner's convenience.

In view of the foregoing remarks and amendments, the Applicant respectfully

submits that the present application is in condition for allowance and a notice to

that effect is respectfully solicited.

Respectfully submitted,

Joseph A. Kwak

Thomas A. Mattioli

Registration No. 56,773

Volpe and Koenig, P.C. United Plaza, Suite 1600 30 South 17th Street

Philadelphia, PA 19103

Telephone: (215) 568-6400

Facsimile: (215) 568-6499

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-8-